**Supplement to rubric for honors bio lab report on substrate concentration effect on catalase activity**

Questions to explain, in paragraph form, for background information in lab report:

* What are substrates?
* What are enzymes?
* What were the variables?
* What is the reaction you observed?
* Why is it important for cells to breakdown H2O2?
* What is catalase? What is catalase’s role in the reaction?
* Why did you record time it took for the disc to float? (What is that an indirect measure of?)
* What were the constants?
* What was the control group?

For hypothesis, be sure to give an explanation (If...then…because...)

In discussion/conclusion be sure to explain, in addition to what is on the rubric:

* Why the control disc should not have floated (think back to the reaction)
* If control disc in control (water only floated) give reason for why you think happened.

Be sure to reference any sources you used (including Ms. Killingley’s lab handout)

Don’t use phrases like “I think”, “I believe”, etc. – just say what you have to say!

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